

Vector Laboratories is an Ideal non-cGMP Facility for Your Solid Dosage Form Product and Process Development

Unparalleled Processing Flexibility

All Major Pharmaceutical Unit Operations are Available
Raw Material Characterization through Functional Coatings
State-of-the-Art Pharmaceutical Processing Equipment

Fast Formulation Development

Dry and Wet Granulation
Aqueous and Solvent Granulation and Coating
Hot Melt and Wax Matrix Processes

Rapid Feasibility Testing

Using Pilot and Production Scale Equipment at Vector
Training and Startup at Your Facility

Seminars and Training

Provided at Vector Corporation and Worldwide
Laboratory Scientists with over 60 Years of Experience

Contract Manufacturing

Rapid, Flexible non-cGMP Contract Manufacturing

Design Input

Test Our Systems with Your Products for Applicability
Identify Design Modifications for Equipment and Dosage Forms

PAT Solutions

Compu 4[®] Controls
NIR Moisture Analysis
QuicPic Optical Size and Shape Analysis



VECTOR Laboratories

Fluid Bed Equipment

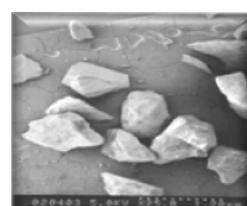
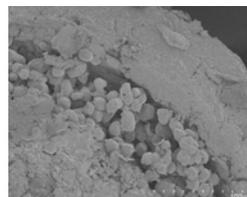
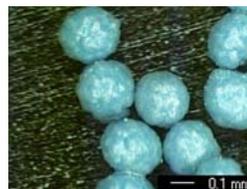
VFC-LAB Micro: 0.04 to 0.6L Top Spray Granulator
0.04 to 0.6L Wurster Processor

VFC-LAB 3: 4L and 8L Top Spray Granulator
GXR-35 Granurex[®] Rotor Processor
8" Wurster Processor

VFC-15M: 20L and 45L Top Spray Granulator
GXR-30 Granurex[®] Rotor Processor
9" Wurster Processor

VFC-60M: 220L Top Spray Granulator
18" Wurster Processor
32" Wurster Processor

GX-40: Granurex[®] Rotor Processor



Coating Pans

LDCS: Film or Sugar Coating System
0.5, 1.5, 2.5, 4.0, 6.0, 8.0L
Fully Perforated Coating Pans

VHC-5811: Film or Sugar Coating System
55L and 110L Fully or Partially
Perforated Coating Pans

Roll Compactors

TFC-LAB Micro: 5g to 1.0 kg/hr

TFC-220: 20g to 20 kg/hr

Tablet Presses

250 Rotary Press: 12 Station, DS-3 Tooling

2216 Rotary Press: 16 Station, B Tooling

247-33 Rotary Press: 33 Station, B Tooling

Auxiliary Equipment

Quadro[®] 194 Co-Mil

Quadro[®] U-5 Co-Mil

Vector 542 Rotary Granulator

Vector 156 Rotary Granulator

K-Tron Precision Powder Feeder

Ribbon Blender

Sweeco 32" Sieve

Patterson-Kelley 15 Liter V-Blender

85 Liter V-Blender

Accurate Powder Feeder

Providing equipment and processing solutions around the world since 1972, Vector is a subsidiary of Freund Corporation located in Tokyo, Japan. Globally, the Freund/Vector team has thousands of system installations in the pharmaceutical, healthcare, chemical, agricultural, and food industries.

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Your Global Equipment and Processing Solution

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